





COMMENT	1. .35	source	1. .35
FEATURES	Other publication AU 6674094 941121.		/organism="unidentified"
source	1. .35		/db_xref="taxon:32644" 20 t
BASE COUNT	5 a	5 c	5 g
ORIGIN	5	5	5
Query Match	100.0%	Score 35; DB 5;	Length 35;
Best Local Similarity	100.0%	Pred. No. 0.095;	
Matches 35; Conservative	0;	Mismatches 0;	Indels 0;
		Gaps 0;	
Db	1	GACTGAGTCGACATCGATTTTTTTTTTTTTTTTTT 35	
RESULT	6		
LCUS	A42335	35 bp	DNA
DEFINITION	Sequence 7 from Patent WO9502057.		PAT
ACCESSION	A42335		05-MAR-1997
NID	92297812		
VERSION	A42335.1	GI:2297812	
KEYWORDS			
SOURCE	unidentified		
ORGANISM	unclassified		
REFERENCE	1 (bases 1 to 35)		
AUTHORS	Gustafson, B.A., Crompton, M.R.,		
TITLE	Kamatsu, T., Page, M.J. and Spence, P.		
JOURNAL	PROTEIN TYROSINE KINASE AND LIGANDS THEREOF		
COMMENT	Patent: WO 9502057-A 7 19-JAN-1995;		
FEATURES	CANCER RES INST (GB)		
source	Other publication AU 7080994 950206.		
BASE COUNT	5 a	5 c	5 g
ORIGIN	5	5	5
Query Match	100.0%	Score 35; DB 5;	Length 35;
Best Local Similarity	100.0%	Pred. No. 0.095;	
Matches 35; Conservative	0;	Mismatches 0;	Indels 0;
		Gaps 0;	
Db	1	GACTGAGTCGACATCGATTTTTTTTTTTTTTTT 35	
RESULT	7		
LCUS	A42384	35 bp	DNA
DEFINITION	Sequence 7 from Patent WO9502187.		PAT
ACCESSION	A42384		06-MAR-1997
NID	92297858		
VERSION	A42384.1	GI:2297858	
KEYWORDS			
SOURCE	unidentified		
ORGANISM	unclassified		
REFERENCE	1 (bases 1 to 35)		
AUTHORS	Gustafson, B.A., Crompton, M.R.,		
TITLE	Martindale, J.E., Page, M.J. and Spence, P.		
JOURNAL	CELL GROWTH FACTOR RECEPTORS		
COMMENT	Patent: WO 9502187-A 7 19-JAN-1995;		
FEATURES	CANCER RES INST (GB)		
source	Other publication AU 7081094 950206.		
BASE COUNT	5 a	5 c	5 g
ORIGIN	5	5	5
Query Match	100.0%	Score 35; DB 5;	Length 35;
Best Local Similarity	100.0%	Pred. No. 0.095;	
Matches 35; Conservative	0;	Mismatches 0;	Indels 0;
		Gaps 0;	
Db	1	GACTGAGTCGACATCGATTTTTTTTTTTTTT 35	
RESULT	8		
LCUS	A46467	35 bp	DNA
DEFINITION	Sequence 5 from Patent WO9526402.		PAT
ACCESSION	A46467		07-MAR-1997
NID	92300644		
VERSION	A46467.1	GI:2300644	
KEYWORDS			
SOURCE	unidentified		
ORGANISM	unclassified		
REFERENCE	1 (bases 1 to 35)		
AUTHORS	Knox, D.P., Smith, S.K.,		
TITLE	VACCINES AGAINST HELMINTHIC PARASITES		
JOURNAL	PATENT: WO 9526402-A 5 05-OCT-1995;		
COMMENT	MALLINCKRODT VETERINARY INC (US)		
JOURNAL	Other Publication ZA 9502370 951215		
COMMENT	Other Publication CA 2182178 951005		
JOURNAL	Other Publication AU 1956495 951017.		
FEATURES	Location/Qualifiers		
source	1. .35		
BASE COUNT	5 a	5 c	5 g
ORIGIN	5	5	5
Query Match	100.0%	Score 35; DB 5;	Length 35;
Best Local Similarity	100.0%	Pred. No. 0.095;	
Matches 35; Conservative	0;	Mismatches 0;	Indels 0;
		Gaps 0;	
Db	1	GACTGAGTCGACATCGATTTTTTTTTTTTTT 35	
RESULT	9		
LCUS	A59198	40 bp	DNA
DEFINITION	Sequence 7 from Patent WO9704108.		PAT
ACCESSION	A59198		06-MAR-1998
NID	93714579		
VERSION	A59198.1	GI:3714579	
KEYWORDS			
SOURCE	unidentified		
ORGANISM	unclassified		
REFERENCE	1 (bases 1 to 40)		
AUTHORS	Schuster, E., Spriessler, B.,		
TITLE	Titze, K., Gottschalk, M., Khanh, N.Q.,		
JOURNAL	WOLF, S. and Plainer, H.		
COMMENT	LEUCINE AMINOPEPTIDES PRODUCED RECOMBINANTLY FROM ASPERGILLUS		
JOURNAL	SOYAE		
COMMENT	ROEHN GMBH (DE)		
JOURNAL	Other Publication DE 19526485 970123.		
FEATURES	Location/Qualifiers		
source	1. .40		



LOCUS	I28284	35 bp	DNA	PAT	30-OCT-1996
DEFINITION	Sequence 13 from patent US 5569830.				
ACCESSION	I28284				
NID	91819060				
VERSION	I28284.1	GI:1819060			
SOURCE	Unknown.				
ORGANISM	Unknown.				
KEYWORDS	Unclassified.				
REFERENCE	1 (bases 1 to 35)				
AUTHORS	Bennett,A., Labavitch,J.M., Powell,A. and Stotz,H.				
TITLE	Plant inhibitors of fungal polygalacturonases and their use to control fungal disease.				
JOURNAL	Patent: US 5569830-A 13-29-OCT-1996;				
FEATURES	Location/Qualifiers				
source	1..35				
	/organism="unknown"				
BASE COUNT	5 a	5 c	5 g	20 t	
BRSTGN					

RESULT	15				
I34242	I34242	134242	35 bp	DNA	PAT
LOCUS		Sequence 19 from patent US 5597569.			30-JAN-1997
DEFINITION					
ACCESSION	I34242				
NID	9125033				
VERSION	I34242.1	GI:1825033			
KEYWORDS	.				
SOURCE	Unknown.				
ORGANISM	Unclassified				
REFERENCE	1 (bases 1 to 35)				
AUTHORS	Siegall,C.B.,Gawlik,S.L. and Marguardt,H.				
TITLE	Brodin 2 a ribosome-inactivating protein isolated from the plant				
JOURNAL	Bitonia dioica				
FEATURES	Patent: US 5597569-A 19 28-JAN-1997;				
	Location/Qualifiers				
	1 . 35				
	/organism="Unknown"				
BASE COUNT	5 a	5 c	5 g	20 t	
SPACES					

Search completed: October 1, 1999, 15:34:59  
Job time: 6202 sec





KW polymerase chain reaction; amplify; *Haemonchus contortus*; ss.  
 OS synthetic.  
 WO 93/3542-A.  
 WO 93/11993; GB 00943.  
 WO 93/11993; GB 009993.  
 (AGRIC- ) AGRIC & FOOD RES COUNCIL, PA  
 Graham M., Knox DP., Munn EA., Newton SE, PI  
 Smith TS, PR  
 WPI; 93-386574/48.  
 New DNA encoding amino-peptidase from *Haemonchus contortus* and  
 derived peptide(s) - useful in protective vaccines, for new  
 PT vectors, transformed cells and oligosaccharide, for incorporation  
 PT in virus or microbe.  
 PT Example; Page 32; 131BP; English.  
 PS The sequences given in 052:03-11 are primers which were used to  
 CC clone the helminth aminopeptidase genes H11-1, -2  
 CC and -3. The amplified sequences encode H110D which is a protein  
 CC doublet which shows homology to a family of integral membrane aminopeptidases.  
 CC The differences between the amplified clones can be  
 CC attributed to different mRNAs of the multigene family, and also to  
 CC different variants of the H110D-encoding sequence being present at  
 CC different stages of the life cycle, or in strains differing in  
 CC geographical origin. Antigenic fragments of the aminopeptidases  
 CC encoded by the H11 genes may be used in vaccines to stimulate immune  
 CC response against helminth parasites in humans or other animals. These  
 CC DNA sequences may be incorporated into a virus or microbe and used in  
 CC a similar manner.  
 Sequence 35 BP; 5 C; 5 A; 5 G; 20 T;

53  
 54 PN W093213-8-A.  
 55 PD 28 OCT-1993; G00761.  
 56 PF 13 APR-1993; GB-008135.  
 57 PR 13 APR-1992; GB-008135.  
 58 PA (LUDWIG) LUDWIG INST CANCER RES.  
 59 PA (Dhand R, ERY MJ, Gout J, Hiles ID, Otsu M, Panayotou G;  
 60 PI Parker P, Virginia S, Waterfield MD;  
 61 DR WPI; 93-351738/44.  
 62 PT Recombinant polypeptide(s) - with phosphoinositide-3 kinase  
 63 activity, useful for controlling cell proliferation.  
 64 Example 1; Page 39; 146pp; English.  
 65 An SGBAF-1 cell line was established by transfection of bovine  
 66 adrenal cortex zona frigiculata cells with pSV3neo. Total RNA was  
 67 isolated from the SGBAF-1 and a cDNA library constructed. RCE PCR  
 68 was performed by synthesising first strand cDNA from random hexamers  
 69 on SGBAF-1 cell mRNA. PCR was performed using oligo 2224 and adaptor-  
 70 CC primers. Products were fractionated using an agarose gel. The  
 71 DNA was isolated from the gel and subjected to PCR using oligo 2280 and  
 72 adaptor as primers. A product of 350 bp was further sequenced.  
 73 see also Q51155-6, Q5912-23 and Q57532-3.  
 74 Sequence 35 BP; 5 A; 5 C; 5 G; 20 T;  
 75 CC 35 BP; 5 A; 5 C; 5 G; 20 T;  
 76

Example 1: Page 15; 71pp; English.  
 The sequences given in 957020-23 are primers which were used in the isolation of the phosphatidylinositol (PtdIns) 3'-kinase cDNA. The amplified sequence was placed under the regulatory control of the nmt promoter. These sequences were transformed into Schizosaccharomyces pombe cells in an embodiment of the invention. In the presence of thiamine the promoter is inactive and the cells carrying the PtdIns plasmids grow as the parental strain. In the absence of thiamine the nmt promoter functions and the PtdIns activity is induced. Cells containing this construct are useful for detecting compounds involved in cell growth regulation. It is also used as the basis for detecting compounds for treating cancers and the formation of blood vessel plaques.







TRY-10 is capable of annealing to the 3'-terminus of poly(A)+ RNA. TRY-10 is identical to the 5'-terminus side 19 residues of TRY-10. After amplification, Plasmid 19-33 was obtained. p19-33 encodes part of the N-terminus amino acid sequence 20 residues of the trypsin-like enzyme isolated from the cought phlegm (see 10698). Sequence 901 BP; 270 A; 185 C; 205 G; 241 T; SQ

Search completed: October 1, 1999, 15:36:23  
Job time: 6121 sec



KEYWORDS	EST.						
SOURCE	Human.						
ORGANISM	Homo sapiens						
REFERENCE	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Mammalia; Eutheria; Primates; Catarrhini; Hominoidea; Homo.						
AUTHORS	1 (bases 1 to 337)						
FEATURES	Adams, M.D., Kerlavage, A.R., Fleischmann, R.D., Fulmer, R.A., Bult, C.J., Lee, N.H., Kirkness, E.F., Weinstock, K.G., Gocayne, J.D., White, O., Sutton, G., Blake, J.A., Brandon, R.C., Man-Wai, C., Clayton, R.A., Cline, T.R., Cotton, M.D., Earle-Hughes, J., Fine, L.D., Fitzgerald, A., Gnehm, C.L., Fritchman, J.L., Geochagen, N.S., Glodek, A., Kelle, J.M., Kelley, J.C., Liu, L.-I., Marraros, S.M., Merrick, J.M., Moreno-Palangues, R.F., McDonald, J.A., Nguyen, D.T., Phillips, C.A., Ryer, S.E., Scott, J.L., Sauder, D.M., Shirley, R.R., Small, K.V., Spriggs, T.A., Utterback, T.R., Weidman, J.F., Li, Y., Bednarik, D.P., Cao, L., Cepeda, M.A., Coleman, T.A., Collins, E.J., Dinkin, D., Feing, D.-F., Ferrie, A., Fischer, C., Hastings, G.A., He, W.W., Hu, J.S., Greene, J.M., Gruber, J., Hudson, P., Kim, A.K., Kozak, D.L., Kunsch, C., Hungjum, J., Li, H., Meissner, P.S., Olsen, H., Raymond, L.J., Wei, Y.-F., Wing, J., Xu, C., Yu, G.-L., Rubin, S.M., Dillion, P.J., Fannon, M.R., Rosen, C.A., Hasseltine, W.A., Fields, C., Fraser, C.M., and Venter, J.C.						
TITLE	Initial assessment of human gene diversity and expression patterns based upon 83 million nucleotides of cDNA sequence						
JOURNAL	Nature 377 (6547 Suppl.), 3-174 (1995)						
MEDLINE	On Sep 12, 1996 this sequence version replaced gi:1406936.						
COMMENT	Other_Ests: EST46035 THC125647						
FEATURES	Contact: Kerlavage, AR						
SOURCE	BioInformatics						
ORGANISM	The Institute for Genomic Research						
COMMENT	9712 Medical Center Drive, Rockville, MD 20850 USA						
FEATURES	Fax: 3018699056						
SOURCE	Email: arkerlav@tigr.org						
ORGANISM	For clone availability, additional sequence and expression information related to this EST, please check the TIGR Human Gene Index ( <a href="http://www.tigr.org/tdb/hgi/hgi.html">http://www.tigr.org/tdb/hgi/hgi.html</a> )						
COMMENT	Seq Primer: M13-21.						
FEATURES	location/Qualifiers						
SOURCE	1..337						
ORGANISM	/organism="Homo sapiens"						
COMMENT	/db_xref= ATCC (inhost):142407"						
FEATURES	/db_xref= taxon:19606						
SOURCE	/clone lib="Fetal Kidney II"						
ORGANISM	/dev_stage="fetus"						
COMMENT	/note="Organ: kidney; Vector: pBluescript KS-; Site_1: Xhol; Site_2: EcoRI"						
FEATURES	base count						
SOURCE	63 a 88 c 95 g 88 t						
ORGANISM	3 others						
COMMENT	EST						
FEATURES	base count						
SOURCE	63 a 88 c 95 g 88 t						
ORGANISM	3 others						
COMMENT	EST						
FEATURES	base count						
SOURCE	63 a 88 c 95 g 88 t						
ORGANISM	3 others						
COMMENT	EST						
FEATURES	base count						
SOURCE	63 a 88 c 95 g 88 t						
ORGANISM	3 others						
COMMENT	EST						
FEATURES	base count						
SOURCE	63 a 88 c 95 g 88 t						
ORGANISM	3 others						
COMMENT	EST						
FEATURES	base count						
SOURCE	63 a 88 c 95 g 88 t						
ORGANISM	3 others						
COMMENT	EST						
FEATURES	base count						
SOURCE	63 a 88 c 95 g 88 t						
ORGANISM	3 others						
COMMENT	EST						
FEATURES	base count						
SOURCE	63 a 88 c 95 g 88 t						
ORGANISM	3 others						
COMMENT	EST						
FEATURES	base count						
SOURCE	63 a 88 c 95 g 88 t						
ORGANISM	3 others						
COMMENT	EST						
FEATURES	base count						
SOURCE	63 a 88 c 95 g 88 t						
ORGANISM	3 others						
COMMENT	EST						
FEATURES	base count						
SOURCE	63 a 88 c 95 g 88 t						
ORGANISM	3 others						
COMMENT	EST						
FEATURES	base count						
SOURCE	63 a 88 c 95 g 88 t						
ORGANISM	3 others						
COMMENT	EST						
FEATURES	base count						
SOURCE	63 a 88 c 95 g 88 t						
ORGANISM	3 others						
COMMENT	EST						
FEATURES	base count						
SOURCE	63 a 88 c 95 g 88 t						
ORGANISM	3 others						
COMMENT	EST						
FEATURES	base count						
SOURCE	63 a 88 c 95 g 88 t						
ORGANISM	3 others						
COMMENT	EST						
FEATURES	base count						
SOURCE	63 a 88 c 95 g 88 t						
ORGANISM	3 others						
COMMENT	EST						
FEATURES	base count						
SOURCE	63 a 88 c 95 g 88 t						
ORGANISM	3 others						
COMMENT	EST						
FEATURES	base count						
SOURCE	63 a 88 c 95 g 88 t						
ORGANISM	3 others						
COMMENT	EST						
FEATURES	base count						
SOURCE	63 a 88 c 95 g 88 t						
ORGANISM	3 others						
COMMENT	EST						
FEATURES	base count						
SOURCE	63 a 88 c 95 g 88 t						
ORGANISM	3 others						
COMMENT	EST						
FEATURES	base count						
SOURCE	63 a 88 c 95 g 88 t						
ORGANISM	3 others						
COMMENT	EST						
FEATURES	base count						
SOURCE	63 a 88 c 95 g 88 t						
ORGANISM	3 others						
COMMENT	EST						
FEATURES	base count						
SOURCE	63 a 88 c 95 g 88 t						
ORGANISM	3 others						
COMMENT	EST						
FEATURES	base count						
SOURCE	63 a 88 c 95 g 88 t						
ORGANISM	3 others						
COMMENT	EST						
FEATURES	base count						
SOURCE	63 a 88 c 95 g 88 t						
ORGANISM	3 others						
COMMENT	EST						
FEATURES	base count						
SOURCE	63 a 88 c 95 g 88 t						
ORGANISM	3 others						
COMMENT	EST						
FEATURES	base count						
SOURCE	63 a 88 c 95 g 88 t						
ORGANISM	3 others						
COMMENT	EST						
FEATURES	base count						
SOURCE	63 a 88 c 95 g 88 t						
ORGANISM	3 others						
COMMENT	EST						
FEATURES	base count						

Clone distribution: NCI-CGAP clone distribution information can be found through the I.M.A.G.E. Consortium/LINL at: [www-bio.llnl.gov/bbrp/image.html](http://www-bio.llnl.gov/bbrp/image.html)

FEATURES source Seq primer: -40UP from Gibco.

Location/Qualifiers 1..111

/organism="Homo sapiens"  
/db\_xref="taxon:9606"  
/clone="IMAGE:205204"

/clone\_lib="NCI-CGAP\_HSC2"

/tissue\_type="stem cell 34+/38+"

/dev\_stage="adult"

/lab\_host="DH10B"

/note="Organ: bone marrow; Vector: pAMP1; mRNA made from bone marrow, stem cells 34+/38+, cDNA made by oligo-dT priming. Directionally cloned. Size-selected on agarose gel, average insert size 400 bp. Primary library, non-amplified."

BASE COUNT 71 a 10 c 22 g 8 t  
ORIGIN

Query Match 72.6%; Score 25.4; DB 44; Length 111;  
Best Local Similarity 82.9%; Pred. No. 4.5e+02;  
Matches 29; Conservative 0; Mismatches 6; Indels 0; Gaps 0;  
/tissue\_type="stem cell 34+/38+";  
/dev\_stage="adult";  
/lab\_host="DH10B";  
/note="Organ: bone marrow; Vector: pAMP1; mRNA made from bone marrow, stem cells 34+/38+, cDNA made by oligo-dT priming. Directionally cloned. Size-selected on agarose gel, average insert size 400 bp. Primary library, non-amplified."

RESULT 5  
AI568751/c

LOCUS AI568751 909 bp mRNA DEFINITION th15d09\_x1 NCI\_CGAP\_CLL1 Homo sapiens cDNA clone IMAGE:2118353 3', mRNA sequence.

ACCESSION A1568751  
NID 94532125  
VERSION AI568751.1 GI:4532125  
EST.  
SOURCE human.  
ORGANISM Homo sapiens  
Eukaryota; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1 (bases 1 to 909)  
AUTHORS NCI-CGAP  
TITLE http://www.ncbi.nlm.nih.gov/ncicgap.  
Tumor Gene Index  
JOURNAL Unpublished (1997)  
COMMENT On Feb 18, 1999 this sequence version replaced g1:4297567.

Contact: Robert Strausberg, Ph.D.  
Tel: (301) 496-1550  
Email: Robert\_Strausberg@nih.gov

Tissue Procurement: Ash Alizadeh, John Byrd, M.D., Mike Grever, M.D./ Louis M. Staudt, M.D., Ph.D.

CDNA Library Preparation: M. Bento Soares, Ph.D.

CDNA Library Arrayed by: Greg Lennon, Ph.D.

CDNA Sequencing by: Washington University Genome Sequencing Center

Clone distribution: NCI-CGAP clone distribution information can be found through the I.M.A.G.E. Consortium/LINL at: [www-bio.llnl.gov/bbrp/image.html](http://www-bio.llnl.gov/bbrp/image.html)

Seq primer: -40UP from Gibco  
High quality sequence stop: 448.  
Location/Qualifiers

1..909  
/organism="Homo sapiens"

/db\_xref="taxon: 9606"

/map="11p11"

/clone="IMAGE:2118353"

/clone lib="NCI\_CGAP\_CLL1"

/tissue\_type="B-cell", chronic lymphotic leukemia"

/lab\_host="DH10B",

/note="Vector: PT713D-Pac (Pharmacia) with a modified polylinker, Site1: Not I; Site2: Eco RI; 1st strand cDNA was primed with a Not I - oligo(dT) primer [5', TGTACCAATCTGAGTGGAGCCGATTCGTTTTTTTTTTTTTTT T 3']"; double stranded cDNA was ligated to Eco RI adaptors (Pharmacia), digested with Not I and cloned into the Not I and Eco RI sites of the modified PT713 vector.

Library is normalized, and was constructed by Bento Soares and M. Fatima Bonaldo."

186 a 224 c 250 g 244 t 5 others

FEATURES source Seq primer: -40UP from Gibco.

Location/Qualifiers 1..380

/organism="Homo sapiens"

/db\_xref="taxon: 9606"

/clone="IMAGE:205292"

/tissue\_type="invasive adenocarcinoma"

/dev\_stage="adult"

RESULT 5  
AI348883

LOCUS AI348883 380 bp mRNA DEFINITION tb05cl1.x2 NCI\_CGAP\_Lu26 Homo sapiens cDNA clone IMAGE:2052692 3', similar to contains\_Lu repetitive element,contains\_L1.t2 L1

REPEITIVE ELEMENT, mRNA sequence.

ACCESSION AI348883  
NID 94086089  
VERSION AI348883.1 GI:4086089  
EST.

SOURCE human.  
ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Mammalia;

Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1 (bases 1 to 380)  
AUTHORS NCI-CGAP  
TITLE http://www.ncbi.nlm.nih.gov/ncicgap.

Tumor Gene Index

Unpublished (1997)

On Aug 21, 1998 this sequence version replaced.

Contact: Robert Strausberg, Ph.D.  
Tel: (301) 496-1550  
Email: Robert\_Strausberg@nih.gov

CDNA Library Preparation by: I.M.A.G.E. Consortium, LINL

DNA Sequencing by: Washington University Genome Sequencing Center

Clone distribution: NCI-CGAP clone distribution information can be found through the I.M.A.G.E. Consortium/LINL at: [www-bio.llnl.gov/bbrp/image.html](http://www-bio.llnl.gov/bbrp/image.html)

Insert Length: 452 Std Error: 0.00  
Seq primer: -40UP from Gibco.

Location/Qualifiers 1..380

/organism="Homo sapiens"

/db\_xref="taxon: 9606"

/clone="IMAGE:205292"

/tissue\_type="invasive adenocarcinoma"

/dev\_stage="adult"









Search completed: October 1, 1999, 15:03:44  
Job time: 4388 sec